INTERRUPT 21h ROM CLIENT LOADER
AND PAYLOAD DELIVERY METHOD

ABSTRACT

An interrupt 21h read only memory (ROM) client loader that allows firmware that is tightly coupled to a platform, such as a BIOS on a motherboard, for example, to present an operating system with installed applications. The interrupt 21h ROM client loader allows ROM-based applications to be installed on a storage device using native

5   (DOS) filing system services of the operating system. The Int 21h ROM client loader comprises software code residing in flash memory that gauges the time when DOS filing system services are stable enough to permit execution of a payload delivery application to deliver the payload to the storage device. The Int 21h ROM client loader interacts with the DOS filing system to determine the time to execute the payload

10   delivery application. This is triggered when an operating system Int 13h call is made to the BIOS which is read by the Int 21h ROM client loader and which thereafter invokes the payload delivery application to deliver the payload to the storage device.